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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,123	12/12/2003	Igor Keller	188122000400	1921
20872 7590 04/10/2007 MORRISON & FOERSTER LLP			EXAMINER	
425 MARKET	STREET		FREJD, RUSSELL WARREN	
SAN FRANCISCO, CA 94105-2482			ART UNIT	PAPER NUMBER
			2128	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	04/10/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
•	10/735,123	KELLER ET AL			
Office Action Summary	Examiner	Art Unit			
	Russell Frejd	2128			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 Responsive to communication(s) filed on <u>23 January 2007</u>. This action is FINAL. 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213. 					
Disposition of Claims					
4) Claim(s) 3-6,13-46 and 48-66 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 3-6,13-46 and 48-66 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers					
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 1.23.07.	4) Interview Summary Paper No(s)/Mail D: 5) Notice of Informal F 6) Other:	ate			

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Examination of Application #10/735,123

1. This communication is in response to the amendment received on 23-January-2007. Claims 1, 2, and 7-12 were canceled by the amendment, and claims 50-66 were added. It is noted that claim 47 was never part of the application, apparently due to a clerical oversight. Therefore, claims 3-6, 13-46 and 48-66 are pending in the application.

Claim Rejections under 35 U.S.C. § 101

- 2. 35 U.S.C. 101 reads as follows:

 Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter or any new and useful improvement thereof, may obtain a patent therefore, subject to the conditions and requirements of this title.
- 2.1 Claims 3-6, 13-46 and 48-66 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The invention claims a method of determining aggressor-induced delay change in a victim net of a stage of an integrated circuit design.
- 2.2 This claimed subject matter lacks a practical application of a judicial exception (law of nature, abstract idea, naturally occurring article/phenomenon) since it fails to: 1) physically transform or reduce an article to a different state or thing; or 2) having the **final result** (not the steps) achieve or produce a: <u>useful</u> (specific, substantial, AND credible utility), <u>concrete</u> (assured, substantially repeatable/non-unpredictable), and <u>tangible</u> (real world/non-abstract, enabling usefulness to be realized) result. The Courts have found that subject matter that is not a practical application or use of an idea, a law of nature or a natural phenomenon is not patentable. As the Supreme Court has made clear, "[a]n idea of itself is not patentable,"

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Rubber-Tip Pencil Co. v. Howard, 20 U.S. (1 Wall.) 498, 507 (1874); taking several abstract ideas and manipulating them together adds nothing to the basic equation. In re Warmerdam, 31 USPQ2d 1754 (Fed. Cir. 1994).

- 2.3 Specifically, the claimed subject matter does not produce a tangible result because the claimed subject matter fails to produce a result that is limited to having real world value rather than a result that may be interpreted to be abstract in nature as, for example, a thought, a computation, or manipulated data. More specifically, the claimed subject matter provides a value representing a difference between delay associated with the simulated noiseless transition and delay associated with the simulated noisy transition [see claim 3]. This produced result remains in the abstract and, thus, fails to achieve the required status of having real world value, because the claims merely convert one set of numbers into another set of numbers, whereby the method does not manipulate appropriate subject matter, and thus cannot constitute a statutory process (MPEP Section 2106.02).
- 2.4 The examiner respectfully posits that the present invention is directed to simulating aggressor-induced delay change, with the result being a difference value between two simulated noise transitions. Since the simulation does not presently result in a practical application that requires a physical transformation, the simulation must provide a tangible result that is enabling in the real-world. The examiner respectfully suggests that this can be accomplished by outputting the result through storage in a memory, displaying the result to a user, or applying the result to a further real-world purpose that may describe the above mentioned physical transformation (practical application).

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Allowed Claims

3. Claims 3-6, 13-46 and 48-66 are deemed allowable over the prior art of record at this time, pending resolution of any rejections noted above, because the prior art does not specifically claim a method of determining aggressor-induced delay change in a victim net of a stage of an integrated circuit design.

Response Guidelines

- 4. A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) days from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned (see MPEP 710.02, 710.02(b)).
- 4.1 Any response to the Examiner in regard to this non-final action should be

directed to: Russell Freid, telephone number (571) 272-3779, Monday-Friday

from 0530 to 1400 ET, **or** the examiner's supervisor, Kamini Shah, telephone number (571) 272-2279. Inquires of a general nature or relating to the status of this application should be directed to the TC2100

Group Receptionist (571) 272-2100.

mailed to: Commissioner of Patents and Trademarks

P.O. Box 1450, Alexandria, VA 22313-1450

or faxed to: (571) 273-8300

Hand-delivered responses should be brought to the Customer Service Window, Randolph Building, 401 Dulany Street, Alexandria, VA, 22314.

Date: 30-March-2007

RUSSELL FREJD PRIMARY EXAMINER